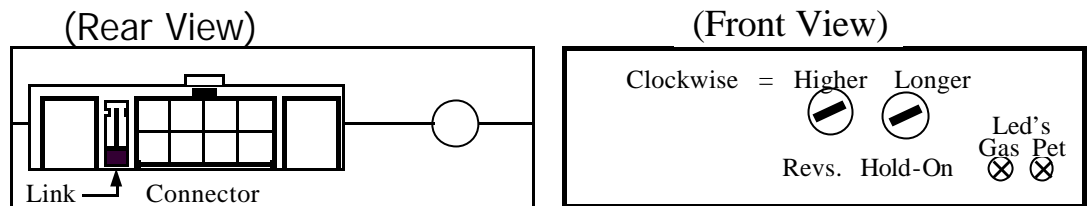# Juland Electronics Tachometric Start Module TSM3
Installation Instructions

Features: Change on Accel. +Adjustable Injector Hold-on + Safety-Switch + Loom

(Rear View)

Link ⟶ Connector

(Front View)

Clockwise = Higher   Longer

Revs.   Hold-On

Led's
Gas Pet
⊗   ⊗

Introduction:
The TSM3 is designed for use with a Juland "500" Series SwitchGauge.   Other switches can be used, but this involves cutting-off the 6-pin plug to wire the switch. Call Juland for advice on using the TSM3 in this way.

Installation:
- Select the position for the Juland 500 Series SwitchGauge and remove the blanking plate
- Poke the loom through the hole and pull it through till the 6-pin plug is left with about 10cm of slack
- Connect the 6 wires of the other end of the loom as indicated here:-

⇒ **Yellow = Petrol**　　　　**Green = Gas**　　**Blue = Sender**
⇒ **Red = Ignition**　　　　**Black = Ground**　**White = Coil-Ve**

- Plug in the SwitchGauge (6-pin plug) and the TSM3 (8-pin plug)
- Adjust the trimpots to the desired settings
- Test to see it works correctly
- Insert the SwitchGauge into the hole
- Secure the TSM3 using either the screws supplied, or with a cable-tie (not supplied)
- **Do not crush the box if mounting it with the screws**

> **SPECIAL NOTE - White Wire:**
> On a VR-VS Commodore, the White Wire can be connected to the brown Tacho wire found near the passenger side shock

Important:
- The **LEFT** Trimpot sets the revs. at which the change-over will occur
- The **RIGHT** Trimpot sets the Injector hold-on time. Fully anticlockwise = no hold-on
- **The Rev Range for a 6 Cylinder, Distributor Engine (ie: 3 sparks/rev.) is:- 720rpm-2200rpm**
- **For Distributorless Ignition Systems (ie: 6 sparks/rev.), remove the 'Link' beside the connector (indicated above)**

Other Features:
- The Green Led on the front of the TSM3 indicates Gas output on, and the Amber indicates Petrol
- Whenever the Safety-Switch time-out occurs, the TSM3 will select Petrol, regardless of the position of the Gas/Petrol switch

Straight-Gas-Start:
'Straight-Gas-Start' is achieved by the following procedure:-
1　Turn Ignition on
2　Switch to Petrol then back to Gas
3　Start the engine

CAUTION
⇒ **Check all wiring prior to switching on.**
⇒ **If problems exist, re-check all your connections; then email us:- info@juland.com.au**

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